

For maximal recovery of contents please quick spin vial before opening

## **Human CD24-muIg Fusion Protein\***

CATALOG#: 559-820 (Purified Preservative –free)

QUANTITY: 25 ug CONCENTRATION: 0.5 mg/ml

Molecular Structure: A soluble molecule consisting of the extracellular (33aa) domain of human CD24 fused to the

murine IgG2a Fc (233 aa), with a predicted non glycosylated monomeric weight of 30.1 kd.

Residual signal peptide: (6aa) (1)kpqape

Mature CD24(EC) (33 aa): setttgtssnssqstsnsglapnptnattkaag

Murine IgG2a hinge +Fc

 $(233aa) : \textbf{eprgptikpcppckcpapnllggpsvfifppkikdvlmislspivtcvvvdvseddpdvqiswfvnnvevhtaqtqthredynstlrvvsalpiqhqdwmsgkefkckvnnkdlpapiertiskpkgsvrapqvyvlpppeeemtkkqvtltcmvtdfmpediyvewtnngktelnykntepvldsdgsyfmysklrvekknwvernsyscsvvheglhnhhttksfsrtpgk$ 

Transfectant Cell Line: HEK

*INFORMATION:* Human CD24 is a glycosyl phosphatidyl inositol (GPI) anchored surface protein found on B cells during multiple stages of development from precursor to the onset of plasma cell differentiation. Recombinant CD24-muIg is dimeric. Due to varied glycosylation, it runs at ~70 to 90kD in native SDS-PAGE and ~31 to 45 kD under reducing conditions.

**References:** C.S. Abramson, et al, (1981) J Immunol **126:** 83-88. H. Mehmet, et al, (1990) Clin Exp Immunol **81:** 489-495. Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 82-84. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 539-543.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>C*. Freeze/Thawing is not recommended.

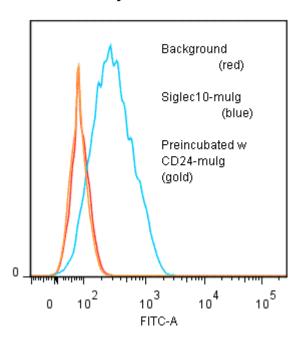
**PRODUCT STABILITY:** Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl. Product was 0.1  $\mu$ m filtered and vialed under aseptic conditions.

**PRODUCTION:** Recombinant protein from (low FBS containing) tissue culture supernatant of transfectants was purified using affinity and size exclusion chromatography. Product was  $0.2\mu$  sterile filtered and vialed under aseptic conditions.

**PERFORMANCE:** Pre incubation with a 10-fold excess of CD24-muIg blocks binding of recombinant Siglec10-muIg to human Raji cells in FACS with GAM/FITC detection.

## Recombinant CD24-mulg blocks binding of Sigle10-mulg +GAM/FITC to human Raji cells



<sup>\*</sup> Research Use Only. Not for use in Diagnostic procedures.